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OWNER'S GUIDE



**ASSEMBLY
OPERATION
MAINTENANCE
PARTS LIST**

**IMPORTANT:
Read Safety Rules
and Instructions**

MODEL NUMBERS

**190-021A
19021-0**

**REAR CATCHER
KIT**

UNPACKING



The Rear Catcher Kit has the following parts.

See main illustration on page 6.

1. The upper support frame with bag assembled.
2. Discharge Chute.
3. Lower and upper clear plastic tubes.
4. Chute tube collar
5. Front end counter weight.
6. Rear bumper assembly.
7. Shroud cover.
8. Hardware pack. (See figure 1).

List of contents in Hardware Pack.

- A. (3) Phillips Head Screws
- B. (6) Rubber Washers
- C. (3) Hex Top L-Nut #10-24 Thread
- D. (4) Hex Screws 3/8-16 x 3/4" Long
- E. (4) Hex Nuts 3/8-16 Thread
- F. (4) Lockwashers 3/8" I.D.
- G. (4) Flatwashers 3/8" I.D.
- H. (2) Clevis Pins
- I. (2) Cotter Pins 1/16" Dia. x 5/8" Long
- J. (2) Hex Screws 5/16-18 x 1.00" Long
- K. (2) Flatwashers 5/16" I.D.
- L. (1) Adjustable Hose Clamp

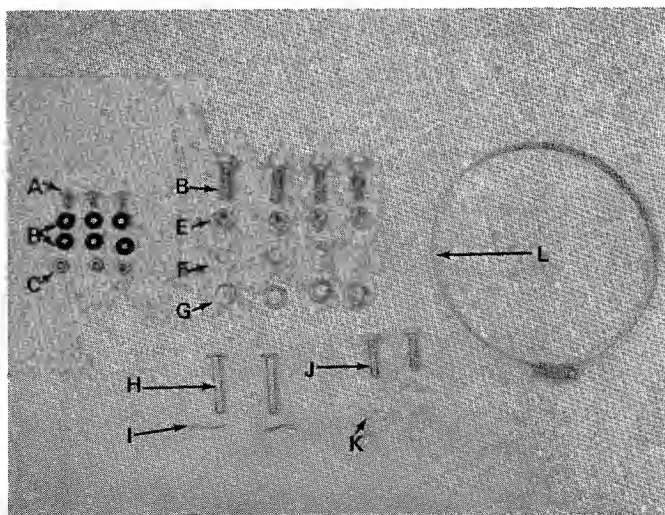


FIGURE 1

Counter Weight

The counter weight mounts to the front of the riding mower with two hex screws (J), and flat washers (K). See figure 2.

1. There are four mounting holes in the counter weight. Align two of the four holes with the two holes in the mower's front frame. See figure 2.

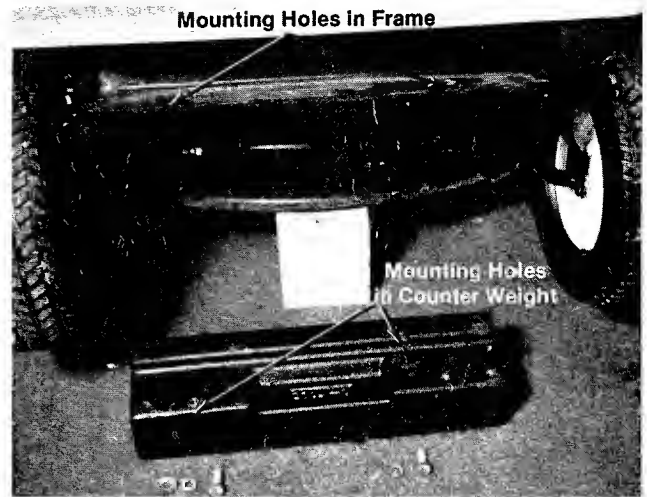


FIGURE 2

2. Secure the weight to mower with hex screws (J), flat washers (K) provided in hardware pack. See figure 3.

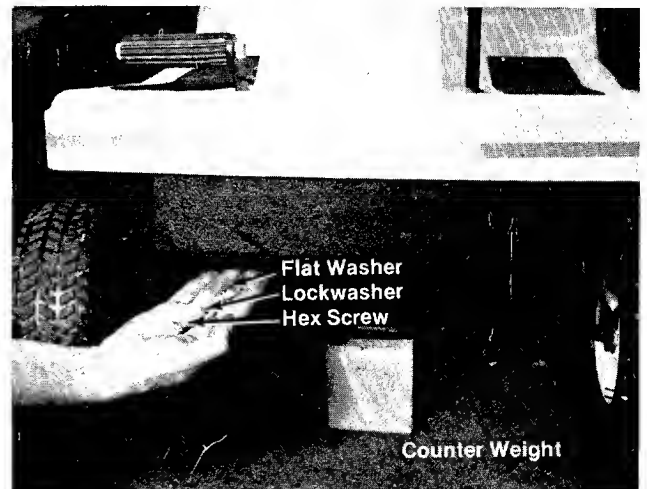


FIGURE 3



Never operate the rider and rear catcher kit without the counter weight in place and tightly secured.

Rear Bumper Assembly

1. The rear bumper assembly is mounted to the rear frame of rider.



NOTE

The rear bumper assembly has four holes in each side. See main illustration on page 6.

2. Align two of the holes on the bumper assembly with the two holes on the rider's rear frame. Refer to page 6. Secure in place with hex screws (D), flat washers (F), lockwashers (G), and hex nuts (E). See figure 4.

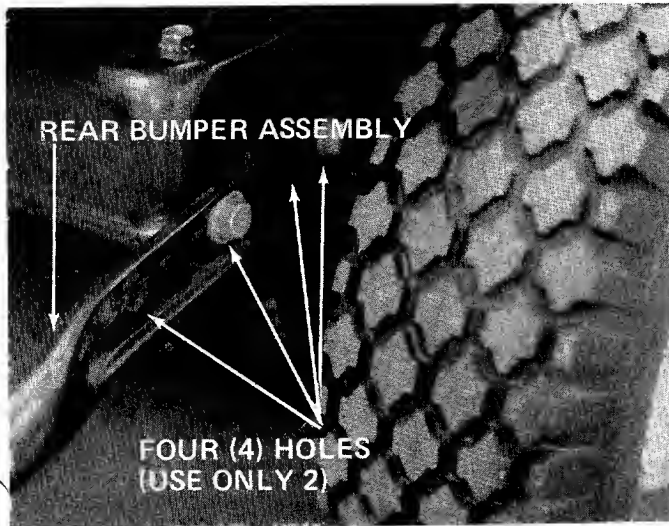


FIGURE 4



NOTE

Two 9/16" wrenches are required for bumper assembly.

Upper Support Frame with Bag Assembled.

1. Place bag support frame down into bumper assembly.
2. Slide wooden dowel into channel in rear of bag. See figure 5.



FIGURE 5

Shroud Cover Assembly

The shroud cover attaches to the upper support frame.



NOTE

Both sides of the receiving end of the shroud have two metal extensions. These act as hinges when mounted to upper support frame as follows:

1. Align the holes in the two metal extensions with the holes in the tubular frame (on both sides). Secure in position with two clevis pins (H) and cotter pins (I). See figure 6.

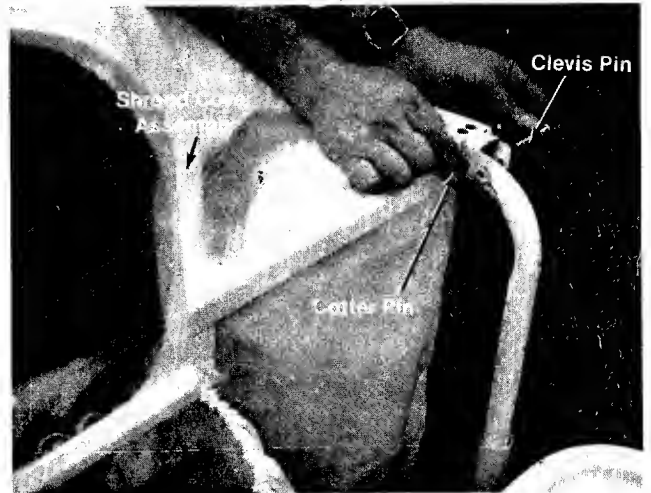


FIGURE 6

Discharge Chute

The discharge chute mounts onto the mower's discharge chute opening.

1. Lift the chute deflector to the raised position. This will expose the deck hinge bracket.
2. Hook the tab on the discharge chute bracket to the deck hinge bracket. Refer to illustration on page 6.
3. Slide discharge chute into position with the two parts of the bracket chute lock aligned. Secure with hair pin cotter attached to discharge chute. See figures 7 and 8.

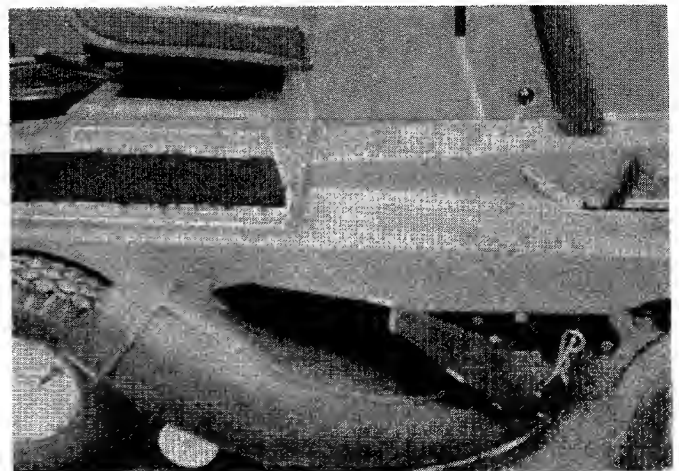


FIGURE 7

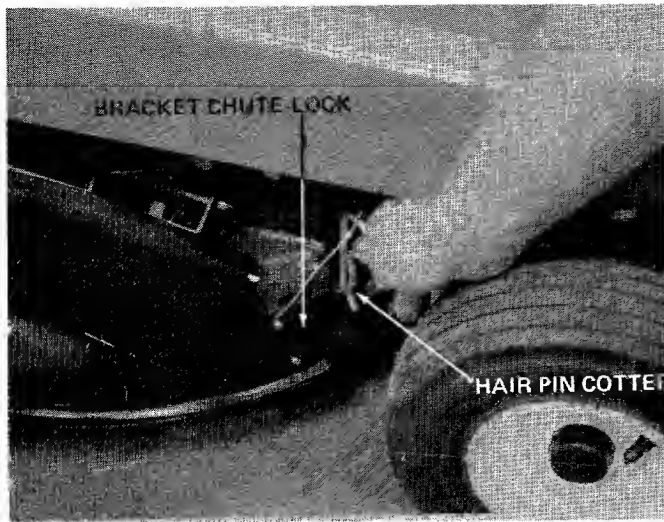


FIGURE 8

Upper and Lower Chute Tubes.

For shipping, the upper and lower sections of the clear plastic tubes are sandwiched together.

1. Pull them apart and then align the three mounting holes in the two sections.
2. Secure them together (at each hole) with a bolt (A), two rubber washers (B) (each side of tube), and hex nut (C). See figure 9.

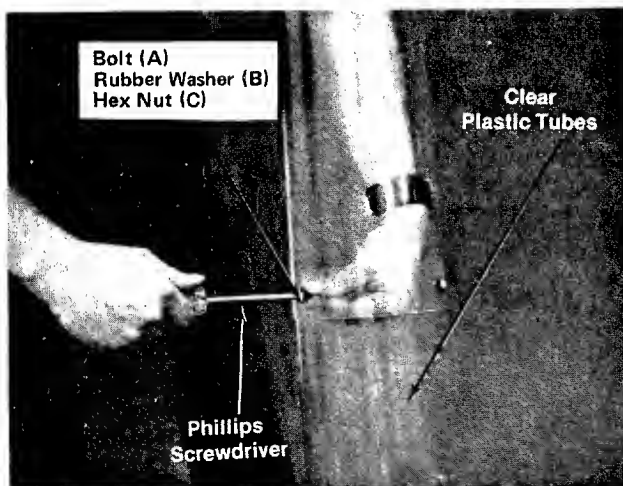


FIGURE 9

Tube Connection

1. Bag is made with a special sleeve in the front designed to fit over the exit end of the upper plastic tube and over the receiving opening in the shroud cover. See figure 10.
2. Slip the adjustable hose clamp (L) over the bottom of lower plastic tube.
3. Slide the bottom end of plastic tube assembly over the discharge chute. See figure 11.

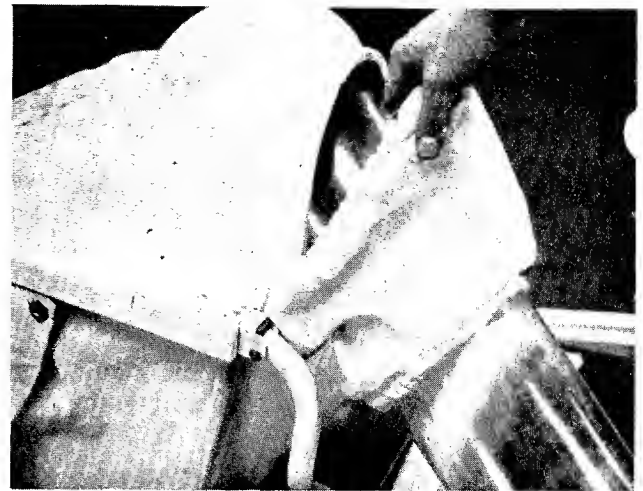


FIGURE 10

Tube Connection

The bag is made with a special sleeve in the front designed to fit over the exit end of the upper plastic tube and over the receiving opening in the shroud cover.

1. Insert shorter of two tubes through sleeve in front of grass bag and into shroud. Install sleeve over shroud and tube. See figure 10.
2. Slip the adjustable hose clamp (L) and the chute tube collar over the bottom of lower plastic tube.
3. Slide the bottom end of plastic tube assembly over the discharge chute. See figure 11.
4. Slide the chute tube collar down in place over the bottom end of plastic tube assembly and discharge chute.
5. Slide the adjustable hose clamp into position over the chute tube collar. Tighten securely with screwdriver.

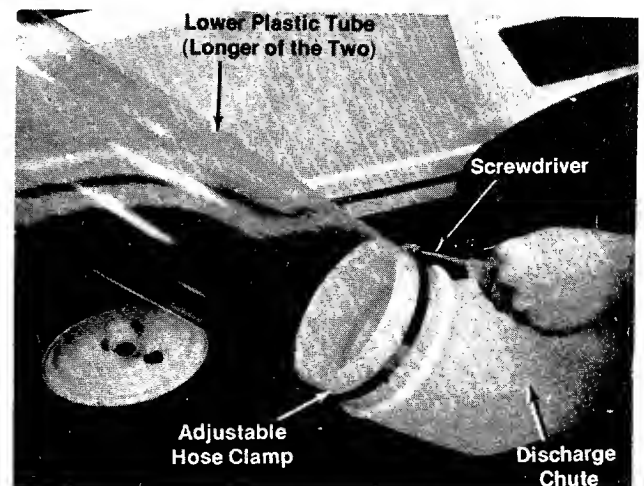


FIGURE 11

Plastic Bag Liner

The bag frame is provided with an inner frame to accept a plastic bag liner. See figure 12.

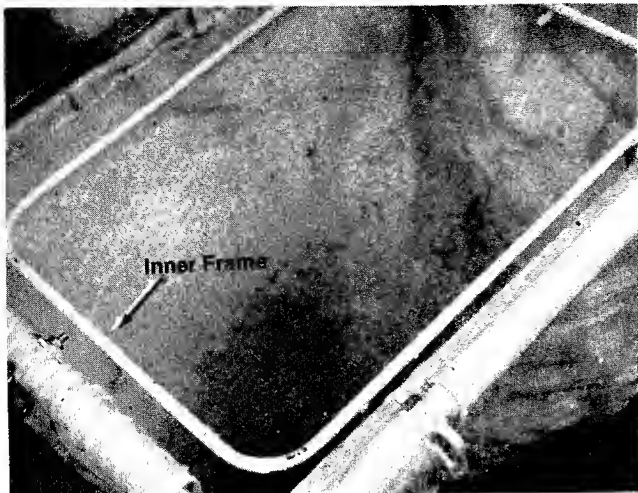


FIGURE 12

It is recommended that only 3 mil, 30 gallon plastic bags be used (like the sample included in the kit). These may be purchased at your local hardware or grocery store.

Tie Down Cord

The shroud cover is held down in the closed position with an elastic tie down cord that is permanently mounted in the shroud cover. The elastic cord should be hooked over the tabs provided in the tubular frame assembly. See figure 13.

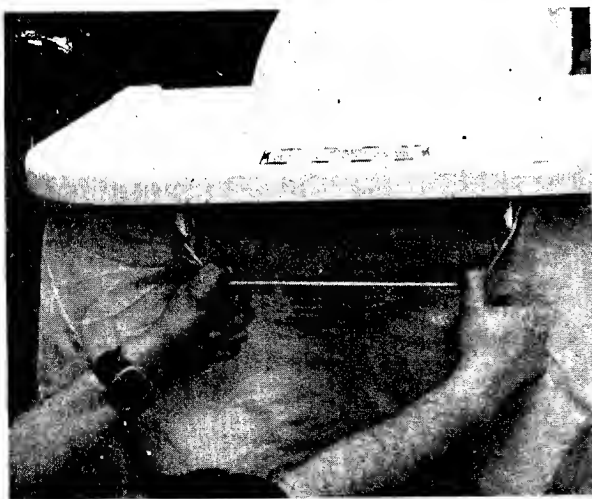


FIGURE 13

Plastic Bag Removal

1. The rear flap of the bag is held in support position by means of a support bar (inserted at the top of the flap) that is raised up and over the tubular frame and places inside of support bag.

2. To remove the plastic bag, raise the shroud cover to its vertical position. See figure 16. Unhook the side flaps of the bag. Release the rear flap by lifting the support bar up and over the tubular frame.

This will free the rear portion of the bag and it will drop out of the way.



To remove the bag, release the tie-down cord, lift the hood and drop the rear flap.

No need to lift the filled bag. Just slide it out.

FIGURE 14



CAUTION

Always disengage the blade and shut off the engine before opening the shroud cover.

Use Without Plastic Bag

The rear catcher kit attachment can be used also without the plastic bag liner. In this case the debris will be discharged directly into the fabric bag. To empty, drop the rear flap as previously explained and push out the debris.

If used without a plastic bag, it is imperative that the fabric bag be thoroughly cleaned after each use.

Read and obey danger labels on the rear catcher kit. See figures 15 and 16.

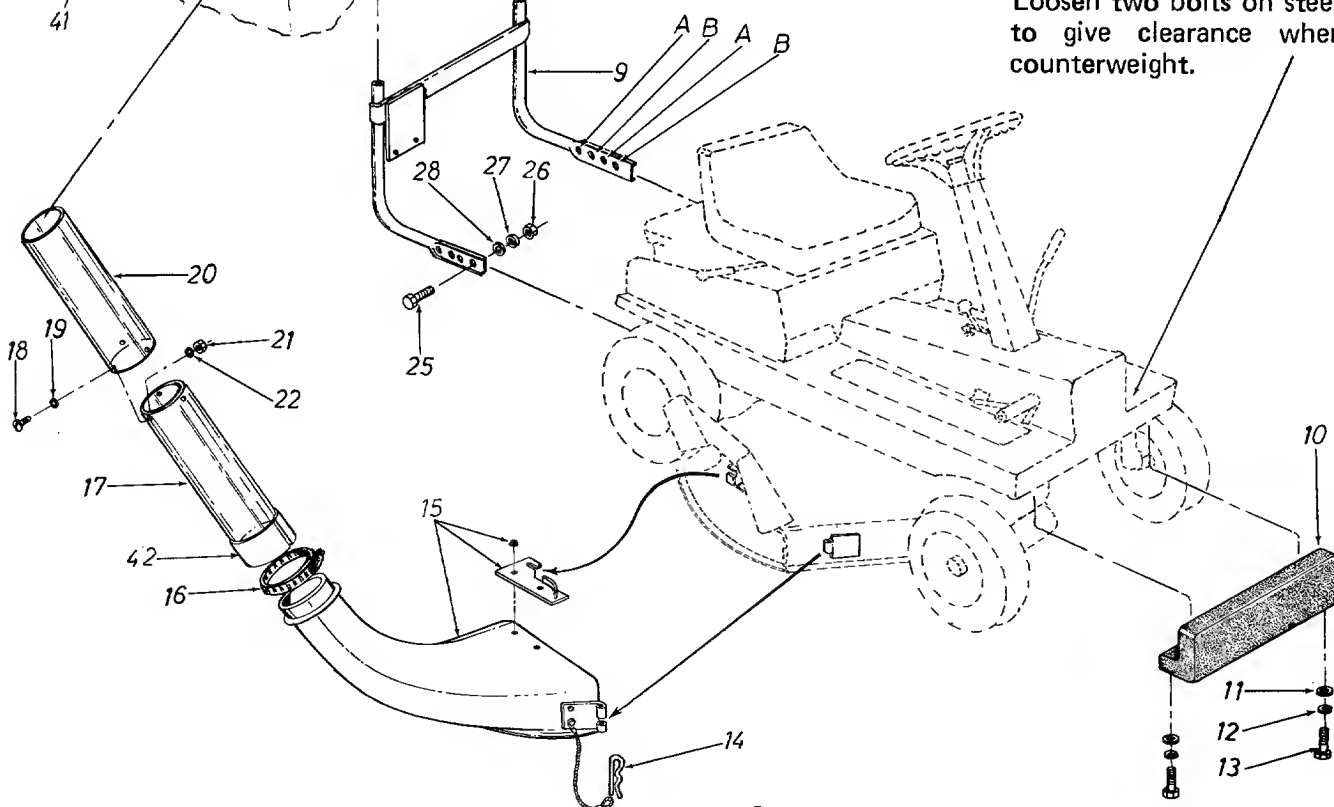
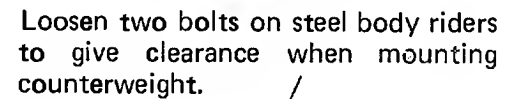
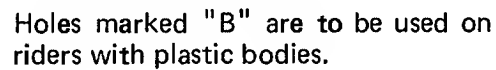
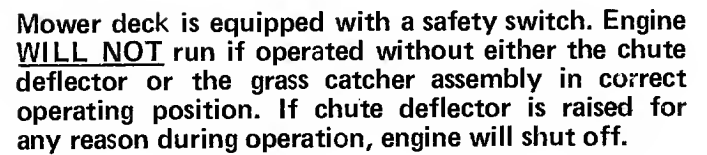
DANGER: DO NOT OPERATE MOWER UNLESS COMPLETE GRASS CATCHER IS PROPERLY ATTACHED OR MOWER GUARD IS IN DOWN POSITION.

FIGURE 15

DANGER
NEVER OPEN THIS COVER WHEN MOWER BLADE IS TURNING.

FIGURE 16

This diagram shows an exploded view of a mechanical assembly. The components are labeled with numbers 1 through 40. The assembly includes a base plate (38) with a central rectangular opening. A large, curved, dome-shaped component (2) is positioned above the opening. A smaller, rectangular component (1) is located to the left of the dome. A cylindrical component (4) is shown to the right of the dome, with a small pin (3) passing through it. A rectangular component (39) is located below the base plate. A small rectangular component (40) is located to the left of the base plate. The diagram is a technical drawing with dashed lines indicating the assembly path.



PARTS LIST FOR MODELS 190-021A and 19021-0

Ref. No.	Part No.	Color Code	DESCRIPTION	New Part
1	735-0641		Elastic Cord	
2	15144		Shroud Ass'y. Complete	
3	711-0674		Clevis Pin	
4	15162		Hinge-Shroud	
5	712-0181		Hex Top L-Nut 3/8-16 Thd.	
6	736-0231		Fl.-Wash .344" I.D. x 1.125 O.D. x .125"	
7	712-0127		Cotter Pin 1/16" Dia. x .75 Fg.*	
8	749-0288		Frame Bag Support	
9	15194		Rear Bumper Ass'y.	
10	719-0242		Weight-Counter	
11	736-0119		L.Wash. 5/16" Scr.*	
12	736-0300		Fl.-Wash. .385 I.D. x .87 O.D. x .06	
13	710-0376		Hex Scr. 5/16-18 x 1.00" Lg.*	
14	714-0155		Hair Pin Cotter	
15	15193		Discharge Chute Ass'y.	
16	726-0149		Hose Clamp-Adjustable	
17	731-0439		Chute Conveyonce Lower	
18	710-0192		Truss Machine Scr. #10-24 x .38" Lg.*	
19	735-0640		Washer Rubber	
20	731-0438		Chute Conveyonce Upper	
21	712-0102		Hex L-Nut #10-24 Thd.	
22	735-0640		Washer Rubber	
25	710-0216		Hex Scr. 3/8-16 x .75" Lg.*	
26	712-0798		Hex Nut 3/8-16 Thd.*	
27	736-0169		L.-Wash. 3/8" Scr.*	
28	736-0300		Fl.-Wash. .385 I.D. x .87 O.D. x .06	
29	736-0231		L.-Wash. .344" I.D. x 1.125 O.D. x .125"	
30	747-0272		Adjusting Rod 3/8 Dia. x 24.5" Lg.	
31	711-0675		Hook Bag	
32	739-0453		Rear Bar Support (Wood)	
33	15134		Inner Support Ass'y.	
34	736-0119		L.-Wash. 5/16" Scr.*	
35	712-0267		Hex Nut 5/16"-18 Thd.*	
36	712-0287		Hex Nut 1/4"-20 Thd.*	
37	736-0329		L.-Wash. 1/4" Scr.*	
38	711-0675		Hook Bag	
39	722-0135		Tape-Seal Foam	
40	722-0134		Tape-Seal Foam	
41	764-0158		Bag	
42	15216		Chute tube collar	

*For faster service obtain standard nuts, bolts and washers locally.
If these items cannot be obtained locally order by part number
and size as shown on parts list.

MTD PRODUCTS INC YARD-MAN COMPANY

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